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1907-08

BULLETIN OF THE STATE UNIVERSITY OF IOWA

NEW SERIES No. 146

MARCH, 1907

THE LIBRARY
OF THE
UNIVERSITY OF ILLINOIS

THE
STATE UNIVERSITY OF IOWA

IOWA CITY

ANNOUNCEMENT OF THE
School of Political and Social Science

1907—1908

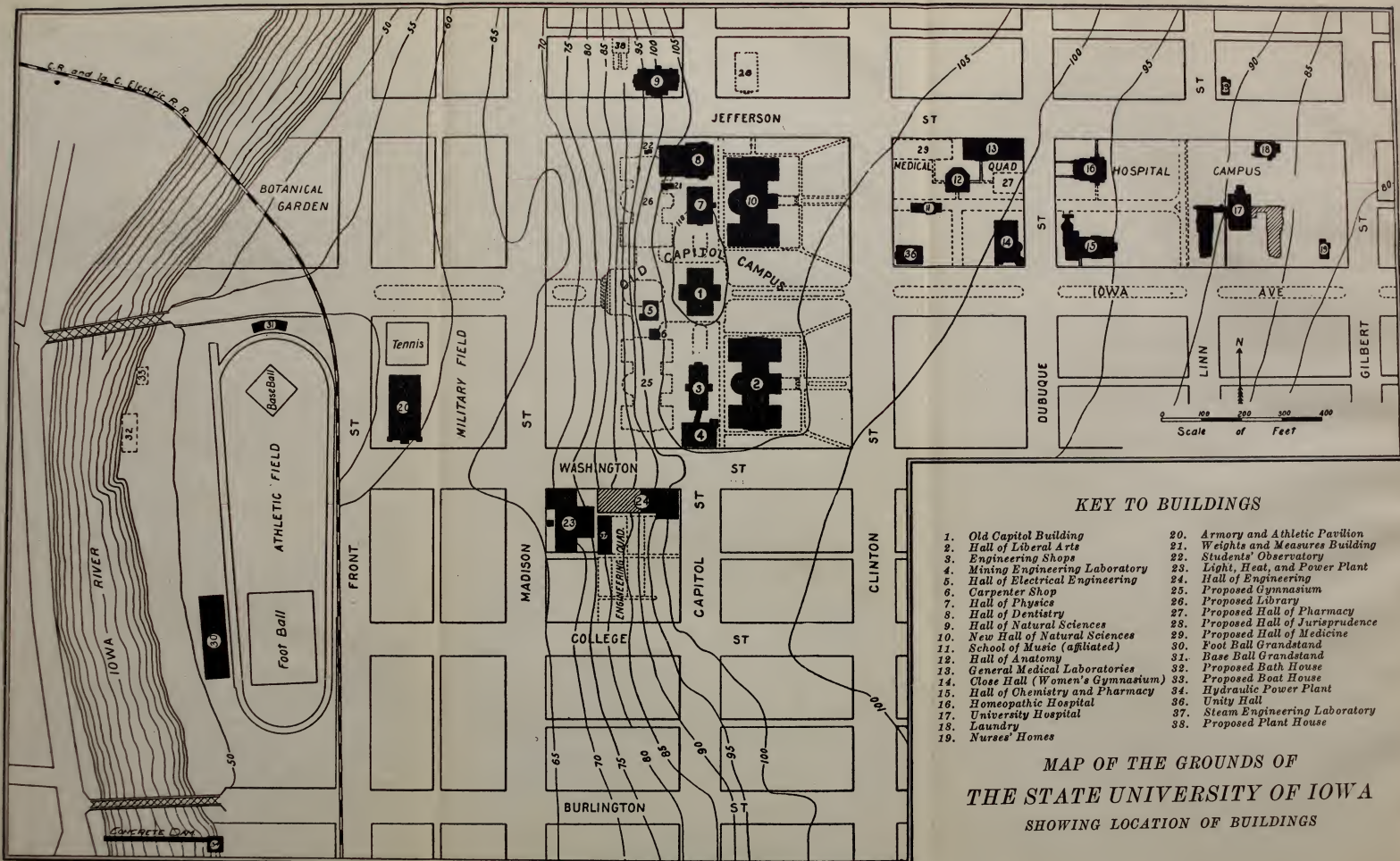


PUBLISHED BY THE UNIVERSITY

IOWA CITY, IOWA

1907

THE UNIVERSITY BULLETINS PUBLISHED BY THE UNIVERSITY ARE
ISSUED EVERY SIX WEEKS, DURING THE ACADEMIC YEAR, AT LEAST
SIX NUMBERS EVERY CALENDAR YEAR. ENTERED AT THE POST OFFICE
AS SECOND CLASS MAIL MATTER.



KEY TO BUILDINGS

- | | |
|------------------------------------|------------------------------------|
| 1. Old Capitol Building | 20. Armory and Athletic Pavilion |
| 2. Hall of Liberal Arts | 21. Weights and Measures Building |
| 3. Engineering Shops | 22. Students' Observatory |
| 4. Mining Engineering Laboratory | 23. Light, Heat, and Power Plant |
| 5. Hall of Electrical Engineering | 24. Hall of Engineering |
| 6. Carpenter Shop | 25. Proposed Gymnasium |
| 7. Hall of Physics | 26. Proposed Library |
| 8. Hall of Dentistry | 27. Proposed Hall of Pharmacy |
| 9. Hall of Natural Sciences | 28. Proposed Hall of Jurisprudence |
| 10. New Hall of Natural Sciences | 29. Proposed Hall of Medicine |
| 11. School of Music (affiliated) | 30. Foot Ball Grandstand |
| 12. Hall of Anatomy | 31. Base Ball Grandstand |
| 13. General Medical Laboratories | 32. Proposed Bath House |
| 14. Close Hall (Women's Gymnasium) | 33. Proposed Boat House |
| 15. Hall of Chemistry and Pharmacy | 34. Hydraulic Power Plant |
| 16. Homeopathic Hospital | 35. Unity Hall |
| 17. University Hospital | 36. Steam Engineering Laboratory |
| 18. Laundry | 37. Proposed Plant House |
| 19. Nurses' Homes | |

MAP OF THE GROUNDS OF THE STATE UNIVERSITY OF IOWA SHOWING LOCATION OF BUILDINGS

THE
STATE UNIVERSITY OF IOWA

IOWA CITY

School of Political and Social Science

INCLUDING THE COURSE IN COMMERCE

1907--1908



PUBLISHED BY THE UNIVERSITY

IOWA CITY, IOWA

1907

CALENDAR

1907

JULY

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1908

JANUARY

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SEPTEMBER

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OCTOBER

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NOVEMBER

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DECEMBER

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ORGANIZATION

The State University of Iowa embraces:

THE COLLEGE OF LIBERAL ARTS
THE COLLEGE OF LAW
THE COLLEGE OF MEDICINE
THE COLLEGE OF HOMEOPATHIC MEDICINE
THE COLLEGE OF DENTISTRY
THE COLLEGE OF PHARMACY
THE GRADUATE COLLEGE
THE COLLEGE OF APPLIED SCIENCE
THE SCHOOL OF MUSIC (affiliated)

The College of Liberal Arts embraces:

GROUPS OF STUDIES LEADING TO THE DEGREE OF B. A. AND
B. S., AND ALSO OF B. A. AND LL. B., OF B. S. AND M. D.,
AND OF B. S. AND D. D. S.

The School of Political and Social Science, which includes:

A COURSE IN COMMERCE
A COURSE IN ADMINISTRATION
A COURSE IN PRACTICAL PHILANTHROPY
A COURSE IN MODERN HISTORY

A SUMMER SESSION

The College of Law embraces:

A THREE YEARS' COURSE

The College of Medicine embraces:

A FOUR YEARS' COURSE

A NURSES' TRAINING SCHOOL

The College of Homeopathic Medicine embraces:

A FOUR YEARS' COURSE

A NURSES' TRAINING SCHOOL

The College of Dentistry embraces:

A THREE YEARS' COURSE

A DENTAL ASSISTANTS' COURSE

The College of Pharmacy embraces:

A TWO YEARS' COURSE

A GRADUATE COURSE

The Graduate College embraces:

GRADUATE COURSES IN THIRTY DEPARTMENTS

The College of Applied Science embraces:

THE CIVIL ENGINEERING COURSE
THE ELECTRICAL ENGINEERING COURSE
THE MECHANICAL ENGINEERING COURSE
THE SANITARY ENGINEERING COURSE
THE MINING ENGINEERING COURSE
THE COURSE IN FORESTRY
THE COURSE IN CHEMISTRY

Special announcements giving full information concerning any of these colleges or schools will be sent to any address upon request. In writing mention the college or school in which you are particularly interested. Address,

President GEORGE E. MACLEAN,
Iowa City, Iowa.

THE UNIVERSITY CALENDAR

1907-08

1907

| | |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>June 7, Friday</i> | Anniversary exercises of the forensic societies, 8 P. M. |
| <i>June 9, Sunday</i> | Baccalaureate address, 4 P. M. |
| <i>June 10, Monday</i> | Class day exercises. Battalion drill and dress parade. Review by the Governor of Iowa, 4 P. M. Class play, 8 P. M. |
| <i>June 11, Tuesday</i> | Alumni day. Phi Beta Kappa address, 10 A. M. Alumni business meeting, 2 P. M. Alumni dinner, 6 P. M. |
| <i>June 12, Wednesday</i> | Commencement, all colleges, 10 A. M. President's reception, 4 P. M. |
| <i>June 13, 14, Thursday, Friday</i> | Examination for admission to all colleges. |
| <i>June 15, Saturday</i> | Registration for the Summer Session, 9 A. M. |
| <i>June 17, Monday</i> | Instruction begins in the Summer Session, 7 A. M. |
| <i>July 25, 26, Thursday, Friday</i> | Examination by the State Board of Educational Examiners. |
| <i>July 27, Saturday</i> | Summer Session ends. |
| | SUMMER VACATION |
| <i>Sept. 18, Wednesday</i> | Examination for admission. Registration in all colleges, 2 P. M. Students may register by mail or in person at any time during the summer vacation. |
| <i>Sept. 23, Monday</i> | Instruction begins in all colleges, except the Graduate College, 8 A. M. University convocation; address by the President, 4 P. M. |

| | |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <i>Oct. 1, Tuesday</i> | Instruction begins in the Graduate College. |
| <i>Nov. 23, Saturday</i> | First quarter ends, 10 P. M. |
| <i>Nov. 25, Monday</i> | Second quarter begins, 8 A. M. |
| <i>Nov. 28, Thursday</i> | Thanksgiving Day. All exercises suspended only for the day. |
| <i>Dec. 20, Friday</i> 1908 | Holiday recess begins, 10 P. M. |
| <i>Jan. 7, Tuesday</i> | Work resumed in all colleges, 8 A. M. |
| <i>Feb. 8, Saturday</i> | First semester ends, 10 P. M. |
| <i>Feb. 10, Monday</i> | Second semester begins, 8 A. M. |
| <i>Feb. 21, Friday</i> | Annual lecture of the Sigma Xi, 8 P. M. |
| <i>Feb. 22, Saturday</i> | Washington's Birthday. University convocation. All other exercises suspended. |
| <i>April 15, Wednesday</i> | Third quarter ends, 10 P. M. |
| <i>April 21, Tuesday</i> | Fourth quarter begins, 8 A. M. |
| <i>May 30, Saturday</i> | Memorial Day. All exercises suspended. |
| <i>June 12, Friday</i> | Anniversary exercises of the forensic societies, 8 P. M. |
| <i>June 14, Sunday</i> | Baccalaureate address, 4 P. M. |
| <i>June 15, Monday</i> | Class Day exercises. Battalion drill and dress parade. Review by the Governor of Iowa, 4 P. M. Class play, 8 P. M. |
| <i>June 16, Tuesday</i> | Alumni day. Phi Beta Kappa address, 10 A. M. Alumni business meeting, 2 P. M. Alumni dinner, 6 P. M. |
| <i>June 17, Wednesday</i> | Commencement, all colleges, 10 A. M. President's reception, 4 P. M. |
| <i>June 18, 19, Thursday, Friday</i> | Examination for admission to all colleges. |
| <i>June 20, Saturday</i> | Registration for the Summer Session, 9 A. M. |
| <i>June 22, Monday</i> | Instruction begins in the Summer Session, 7 A. M. |
| <i>July 30, 31, Thursday, Friday</i> | Examination by the State Board of Educational Examiners. |
| <i>Aug. 1, Saturday</i> | Summer Session ends. |

SUMMER VACATION

Sept. 16, Wednesday

Examination for admission.

Registration in all colleges, 2 P. M.

Students may register by mail or in person at any time during the summer vacation.

Sept. 21, Monday

Instruction begins in all colleges except the Graduate College, 8 A. M.

University convocation; address by the President, 4 P. M.

Sept. 29, Tuesday

Instruction begins in the Graduate College.

Nov. 28, Saturday

First quarter ends.

BOARD OF REGENTS

MEMBERS EX-OFFICIO

His Excellency, ALBERT B. CUMMINS, *Governor*
of Iowa

JOHN F. RIGGS, *
Superintendent of Public Instruction

TERMS EXPIRE 1908

FOURTH DISTRICT—ALONZO ABERNETHY, *Osage*

ELEVENTH DISTRICT—PARKER K. HOLBROOK, *Onawa*

TENTH DISTRICT—E. K. WINNE, *Humboldt*

THIRD DISTRICT—CHARLES E. PICKETT, *Waterloo*

TERMS EXPIRE 1910

FIFTH DISTRICT—THOMAS B. HANLY, *Tipton*

EIGHTH DISTRICT—JOHN W. LAUDER, *Afton*

NINTH DISTRICT—VERNON L. TREYNOR, *Council Bluffs*

TERMS EXPIRE 1912

SIXTH DISTRICT—WILLIAM D. TISDALE, *Ottumwa*

FIRST DISTRICT—JOHN J. SEERLEY, *Burlington*

SECOND DISTRICT—JOE R. LANE, *Davenport*

SEVENTH DISTRICT—CARROLL WRIGHT, *Des Moines*

OFFICERS OF THE BOARD

LOVELL SWISHER, *Iowa City*.....TREASURER

WILLIAM J. McCHESNEY, *Iowa City*.....SECRETARY

GILBERT H. ELLSWORTH, *Iowa City*.....SUPERINTEN-

DENT OF CONSTRUCTION, MAINTENANCE AND GROUNDS

PARKER K. HOLBROOK

ALONZO ABERNETHY

JOE R. LANE

JOE R. LANE.....DELEGATE TO THE SENATE

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EXECUTIVE COMMITTEE

THE ADMINISTRATIVE OFFICERS

THE UNIVERSITY

GEORGE EDWIN MACLEAN, LL. D., President.

ELMER ALMY WILCOX, B. A., Secretary of the University Senate.

THOMAS HUSTON MACBRIDE, PH. D., Director University Extension.

WILLIAM CRAIG WILCOX, M. A., Secretary University Extension.

HERBERT CLIFFORD DORCAS, M. A., University Examiner and Registrar.

ALICE BRADSTREET CHASE, Executive Clerk.

FRED COLLINS DRAKE, B. PH., Secretary to the President and University Editor.

MABLE MONTGOMERY VOLLAND, B. A., Acting Dean of Women.

FOREST CHESTER ENSIGN, M. A., Inspector of Schools.

COLONEL CHARLES WARREN WEEKS, U. S. A., Commandant of Cadet Battalion.

THE COLLEGES

AMOS NOYES CURRIER, LL. D., Dean of the College of Liberal Arts.

CHARLES NOBLE GREGORY, LL. D., Dean of the College of Law.

JAMES RENWICK GUTHRIE, M. D., Dean of the College of Medicine.

GEORGE ROYAL, M. D., Dean of the College of Homeopathic Medicine.

WILLIAM SUITS HOSFORD, D. D. S., Dean of the College of Dentistry.

WILBER JOHN TEETERS, PH. C., Dean of the College of Pharmacy.

LAENAS GIFFORD WELD, M. A., Dean of the Graduate College.
WILLIAM G. RAYMOND, C. E., Dean of the College of Applied Science.

ISAAC A. LOOS, D. C. L., Director of the School of Political and Social Science.

FREDERICK E. BOLTON, PH. D., Director of the Summer Session.

HERBERT C. DORCAS, M. A., Secretary of the Faculties.

WALTER LAWRENCE BIERRING, M. D., Vice-Dean of the College of Medicine.

WILLIAM LE CLAIRE BYWATER, M. D., Vice-Dean of the College of Homeopathic Medicine.

THE HOSPITALS

LEE WALLACE DEAN, M. D., Director of the University Hospital.

HELEN BALCOM, Graduate Nurse, Superintendent of the University Hospital and Principal of the Training School for Nurses, College of Medicine.

WILLIAM LE CLAIRE BYWATER, M. D., Director of the Homeopathic Hospital.

ALICE C. BEATLE, Graduate Nurse, Superintendent of the Training School for Nurses, and the Homeopathic Hospital.

THE LIBRARIES AND MUSEUMS

MALCOLM GLENN WYER, B. L. S., Librarian.

MERTON LEROY FERSON, LL. B., Law Librarian.

CHARLES CLEVELAND NUTTING, M. A., Curator of the Museum of Natural History.

BOHUMIL SHIMEK, M. S., Curator of the Herbarium.

GENERAL INFORMATION

ORGANIZATION

The State University of Iowa is an integral part of the public school system of the State. As required by law, the work of the University is based upon the preparation afforded by the duly accredited high schools of the State, whose graduates are admitted to the undergraduate and professional courses upon presentation of the proper certificates. A sense of this vital connection with the public schools determines, in a large measure, the requirements for admission to the University, its spirit, and its courses of study. The State, through the University, undertakes to furnish instruction in the various branches requisite for a liberal education in the liberal arts, law, medicine, dentistry, pharmacy, music, nursing, and, in applied science, the various branches of engineering. It also aims to encourage research work in all departments, to produce creative scholars, and thus do its part in the enlargement of the domain of knowledge. Thus it is the general policy of the institution to foster the higher educational interests of the State, broadly and generously interpreted.

The control of the University is intrusted to a Board of Regents, consisting of the Governor of Iowa and the Superintendent of Public Instruction *ex-officiis*, and of one member elected by the General Assembly from each of the eleven congressional districts.

BUILDINGS

The University at present occupies nearly thirty buildings, situated near the center of Iowa City. Some of these are named in the order of their erection. The Old Capitol, the birthplace of the state, is devoted to the administrative offices

and the College of Law. The hall of physics contains the lecture rooms and laboratories of the department of physics. The Clinton street building has been remodeled and rearranged and is now occupied by the School of Music.

The natural science hall contains the laboratories and collections of the departments of geology and botany. The hall of chemistry and pharmacy contains the chemical laboratories and the College of Pharmacy. Close Hall, the home of the Young Men's and Young Women's Christian Associations, also contains the halls of six of the forensic societies; the entire lower floor is given over to the women's gymnasium. The dental hall is occupied wholly by the College of Dentistry. The hospital of the College of Medicine and the hospital for the College of Homeopathic Medicine are modern structures. The old armory is occupied by the lecture rooms and laboratories of the department of electrical engineering. Three small buildings furnish accommodations for the standard weights and measures of the state, a students' astronomical observatory and a carpenter shop. A modern central heating, lighting and power plant is connected by an underground brick tunnel with all the buildings on the campus. The hall of liberal arts, 120x260 feet on the ground, contains ninety-two rooms arranged for the respective departments of letters with office, seminar, departmental library and lecture rooms en suite. There are also an attractive drawing and rest room for women, psychological laboratories and a general lecture room. The State Historical Society library is also lodged in this handsome Bedford stone and fireproof building. The style of the building harmonizes with that of the Old Capitol.

On the foundations of old south hall and the former medical hall is a large and commodious building devoted to the engineering shops.

The hall of anatomy contains dissecting rooms with the most modern accommodations for 20 tables, an amphitheater with seating capacity of two hundred and twenty-five persons, offices, reading rooms, and a preserving room. It is a handsome hexagonal, fire-proof building of Bedford stone with granite foundations.

The second building in the new medical quadrangle contains the general and clinical laboratories of bacteriology, pathology, histology, physiology and pharmacology.

The University has erected a large gymnasium and armory for the use of the men of the University. The building is 84 by 162 feet in dimensions and three stories in height. In addition to thorough equipment in the way of armory and gymnasium apparatus the building contains a fifteen-lap concave canvas-lined running track. The building is situated just outside the athletic field which contains a football gridiron, a baseball field and a splendid two-fifths mile cinder track.

The north wing of the new engineering quadrangle has just been erected. The portion completed is 70x125 feet and three stories and a basement in height. It provides lecture, recitation, drawing and study rooms, with separate study space for each student, together with an engineering materials laboratory.

A splendid new hall of natural sciences, a counterpart of the hall of liberal arts, has just been completed. This building will ultimately be given wholly to the museum and the departments of zoology, but will accommodate temporarily the general library and furnish a general assembly hall to seat 1,800 people.

A new steam laboratory building, built of buff pressed, and paving brick, one story high and 40 by 80 feet in dimensions, has been erected during the past year. It is the first of a series of laboratories to be constructed inside the engineering quadrangle.

Unity Hall, a story and basement in height, 55x70 feet in dimensions, and situated on the corner of Iowa Avenue and Clinton Street was secured by the University through purchase last year. It has been remodeled and newly equipped and will temporarily furnish additional lecture rooms for the College of Law.

THE LIBRARIES

The students have free access, in addition to the general

and departmental libraries of the University, to the libraries of the State Historical Society and the free public library of Iowa City. This makes available about 130,000 well selected volumes in diverse fields of knowledge. The reading rooms of the several libraries are well supplied with current periodicals.

THE LABORATORIES

The more important laboratories are as follows: The chemical; the pharmaceutical; the physical; the psychological; the laboratories of zoology; of anatomy; of pharmacology; of geology and paleontology; of botany; of pathology and bacteriology; of histology; of physiology; and of otology. There is a students' astronomical observatory.

THE NATURAL HISTORY COLLECTIONS

are equal in extent and value to any found in connection with a western university. The museum of natural history contains the zoological, the ethnological, and part of the geological collections. The botanical material is in the herbarium under the charge of the department of botany, and most of the geological specimens are in the rooms occupied by the department of geology.

THE UNIVERSITY PUBLICATIONS

The following series of publications are now issued by the University: Natural History Bulletin, preserving a record of the work done in botany, geology, and zoology; The Transit, devoted to engineering; The Law Bulletin; The Bulletin of the Homeopathic Medical College; The State University of Iowa Studies in Psychology; The State University of Iowa Studies in Sociology, Economics, Politics, and History; Documentary Material Relating to the History of Iowa, published in part by the State Historical Society.

LITERARY, FORENSIC, AND SCIENTIFIC SOCIETIES

The literary, forensic, and scientific societies maintained

by the faculties and students of the University afford an important means of general culture, scientific research, and literary and forensic training. The societies thus organized are: The Baconian Club; The Political Science Club; The Whitney Society; The Philosophical Club; The Graduate Club; Die Germania; Edda; Phi Beta Kappa; Sigma Xi; Irving Institute, Zetagathian Society, and Philomathean Society for young men; Hesperian Society, Erodelphian Society, and Octave Thanet Society for young women; The John Marshall Law Society; The Dramatic Club; The Engineering Society; The Hahnemannian Society; The Middletonian Medical Society; The Mortar and Pestle Club. Among the purely literary clubs are Ivy Lane, Polygon, the Writers' Club, and the Readers' Club.

PUBLIC LECTURES

The regents invite during the year many distinguished scholars, specialists, and men in public affairs to address the University. These addresses, supplemented by the series of popular public lectures given annually by the members of the faculties, and the course offered by the lecture bureau, make an extensive, highly interesting and instructive programme of entertainments.

RELIGIOUS INFLUENCES

The University extends a cordial welcome to students of all denominations. The churches of the city, in which the members of the faculties are a large factor, take a deep interest in the welfare of the students, whom they cordially invite to share in their religious activities and social life.

There are fifteen churches in Iowa City representing twelve denominations.

The Young Men's and Young Women's Christian Associations are open to all students, and naturally constitute the center of the religious life of the University, while undertaking all the phases of moral and Christian work properly within the scope of such organizations.

DEAN OF WOMEN

While women have always shared all the opportunities of the University on absolutely equal terms with men, it has been deemed expedient to appoint a dean of women, armed with large powers, to act as special representative and adviser for the women in all the departments and colleges of the University, whether graduate or undergraduate, academic or professional.

PHYSICAL TRAINING AND ATHLETICS

The University authorities encourage physical training in such amount and of such a character as is compatible with and promotive of the higher objects of the University. Intercollegiate contests are carefully controlled in order to eliminate professionalism and other objectionable features.

HOSPITALS

The two hospitals connected with the University afford the best of care and treatment for students seriously ill. The attention of generous friends of the University is here called to the desirability of providing free hospital service for such students as are unable to meet the expenses incident to protracted illness while away from home.

SELF-SUPPORT

While it is impossible for the University to guarantee that any student will be able to earn his way entirely or in part, it is just to state that it rarely happens that a student needing to do this fails to secure employment of some kind. Iowa City is a city of 9,000 inhabitants, friendly to the University, and glad to give work to deserving students. The university faculties interest themselves to aid the students in finding employment, and the Y. M. and Y. W. C. A. have established a free labor bureau which is at the service of the students. The associations make a canvass of the city and find work and suitable lodging and boarding places.

The president and the deans seek at all times the confidence of impecunious students, and heretofore have been able to give counsel by which students have found the way to remain in the University. There are provisions whereby such students may obtain free tuition in the colleges of Liberal Arts and Applied Science.

FACULTY AND INSTRUCTORS

GEORGE EDWIN MACLEAN, B. A. Williams, 1871; M. A., 1874;
B. D. Yale, 1877; PH. D. Leipzig, 1883; LL. D. Wil-
liams, 1895.

PRESIDENT, 1899.*

603 College St. (108 Old Capitol)

ISAAC ALTHAUS LOOS, B. A. Otterbein, 1876; M. A., 1879; B.
D. Yale, 1881; LL. D. Iowa College, 1906.

DIRECTOR; Professor and Head of the Department of Political
Economy and Sociology, 1889.

22 E. Bloomington St. (205 Liberal Arts)

WILLIAM CRAIG WILCOX, B. A. Rochester, 1888; M. A., 1891.

Professor of American History, and Head of the Department of
History, 1894.

629 N. Dubuque St. (222 Liberal Arts)

BENJAMIN FRANKLIN SHAMBAUGH, B. PH. Iowa, 1892; M. A.
1893; PH. D. Pennsylvania, 1895.

Professor and Head of the Department of Political Science, 1895.

219 N. Clinton St. (201 Liberal Arts)

FREDERICK ELMER BOLTON, B. S. Wisconsin, 1893; M. S., 1896;
PH. D. Clark, 1898.

Professor and Head of the Department of Education; Director
of the Summer Session, 1900.

1019 College St. (217 Liberal Arts)

CARL EMIL SEASHORE, B. A. Gustavus Adolphus, 1891; PH. D.
Yale, 1895.

Professor of Psychology, and Head of Department of Philosophy
and Psychology, 1897.

204 Fairchild St. (211 Liberal Arts)

HARRY GRANT PLUM, B. PH. Iowa, 1894; M. A., 1896; PH.
D. Columbia, 1906.

Professor of European History, 1894.

222 Ronalds St. (310 Liberal Arts)

FRANK EDWARD HORACK, B. PH. Iowa, 1897; M. A. 1899; PH.
D. Pennsylvania, 1902.

Assistant Professor of Political Science, 1902.

222 E. Bloomington St. (317 Liberal Arts)

*The faculty of the College of Liberal Arts has about one hundred professors, instructors, and assistants. This list contains the names only of those in the several departments of the University offering prescribed courses in this school.

Date following title indicates year of appointment to service in the University. The names are arranged in groups according to seniority of appointment to present rank.

PAUL SKEELS PEIRCE, PH. B. Cornell University, 1897; PH. D. Yale, 1900.

Assistant Professor of History, 1902.

506 S. Governor St. (310 Liberal Arts)

LEWIS HENRY HANEY, B. A. Dartmouth, 1903; M. A., 1904; PH. D. Wisconsin, 1906.

Instructor in Economics, 1905.

918 Iowa Ave. (205 Liberal Arts)

CLARENCE WYCLIFFE WASSAM, B. PH. Iowa, 1903; M. A., 1904.

Assistant Instructor in Political Economy and Sociology, 1903.

220 N. Dubuque St. (205 Liberal Arts)

JOHN CARL PARISH, B. PH. Iowa, 1905; M. A., 1906.

Fellow and Assistant in Political Science, 1905.

RUTH MARIA MARSH, B. A. Iowa, 1906.

Scholar in Sociology, 1906.

CLYDE ORVAL RUGGLES, M. DI. Iowa State Normal, 1904; B. A., 1906.

Scholar in Economics, 1906.

THE SCHOOL OF POLITICAL AND SOCIAL SCIENCE

ORGANIZATION

The School of Political and Social Science, established by the board of regents in June, 1900, embraces the following departments of instruction: history, political economy, and sociology, including commerce and political science. It provides courses in ancient and modern history, in the several branches of economics, including commerce, finance, and statistics; in theoretical and practical sociology; and in political science including public law and jurisprudence.

AIMS

The aim of the School is to give a complete general view of all the political and social sciences, and to foster the further development of all their branches. Its more immediate and practical object is to prepare the students of the University for the intelligent exercise of the rights and duties of citizenship in a free commonwealth, and to fit them for the various branches of the public service and for the wider avenues of business. It aims furthermore to supplement, by courses in public law and comparative jurisprudence, the instruction in private municipal law given by the faculty of law, and to give to those who intend to make journalism their profession adequate training in historical, economic, and legal subjects. Finally, it aims to educate teachers of the several branches of political and social science.

FACILITIES

In addition to the specific equipment of the departments of history, social science, and political science, students of this School are given freely all the privileges offered by the

College of Liberal Arts. These are described in full in the announcement of that college and are mentioned briefly above under GENERAL INFORMATION. Some of the School's special equipment in the way of library, laboratory, and museum, are described below.

LIBRARIES

Besides the general and departmental libraries mentioned in the introduction to this announcement the LIBRARY OF THE STATE HISTORICAL SOCIETY, at present located in the Hall of Liberal Arts of the University, is of great value to students of the School of Political and Social Science. This library contains about 40,000 volumes and is open for the use of all students of the University. The collection of historical documents is exceedingly valuable and growing rapidly. The Historical Society issues its own publications regularly and has on its exchange list the publications of similar societies in the United States, as well as a large number of foreign publications and the publications of leading universities, both at home and abroad. It has established and publishes regularly the "Iowa Journal of History and Politics."

STATISTICAL LABORATORY

This laboratory is equipped with apparatus to illustrate methods of securing and compiling the rapidly increasing volume of statistical data published by the government and other agencies. The electrical machines and other devices used in the federal and state censuses are found here; calculating machines are at the disposal of the students, together with many of the instruments and devices used in the construction of diagrams and charts. This equipment is being increased as rapidly as possible, and ultimately the museum will have a complete assortment of the apparatus necessary for statistical work.

COMMERCIAL MUSEUM

The museum has been founded to provide practical instruction in commercial subjects. The products of the several

countries and the various stages in the manufacture of the raw products into finished and by-products are shown. An attempt is made to have samples of all articles produced from a given raw product. This material is supplemented by views showing the method of culture and the various processes of its manufacture that cannot be well illustrated by samples of the unfinished product.

STUDIES IN SOCIOLOGY, ECONOMICS, POLITICS, AND HISTORY

The faculty of political and social science are the editors of a series of studies in sociology, economics, politics and history, of which the following have so far appeared: Vol. 1, Studies in the Politics of Aristotle, and the Republic of Plato, by ISAAC ALTHAUS LOOS, The University Press, 1899; Vol. 2, No. 1, The Early History of Banking in Iowa, by FRED D. MERRITT, M. A., Ph. D., 1900; Vol. 2, No. 2, The Development of Political Thought in Japan, by KIYOSHI KAWAKAMI, 1903; Vol. 3, No. 1, The Freedmen's Bureau, by PAUL SKEELS PEIRCE, Ph. D., 1904; Vol. 3, No. 2, The Teutonic Order and its Secularization, by HARRY GRANT PLUM, Ph. D., 1906.

These publications are open to worthy contributions of advanced students in the subjects mentioned.

THE POLITICAL SCIENCE CLUB

The Political Science Club is devoted to the cultivation and advancement of the political and social sciences. The club has held regular meetings since October, 1896. A formal organization was effected in January, 1897. The club now holds fortnightly sessions from October to May each year. At these sessions papers are read by members or by invited guests, presenting the results of original investigation in some subject in any one of the following group of sciences: history, economics, sociology, politics, law, education, and ethics. The membership of the club is limited to the faculties of instruction in the several departments interested.

REQUIREMENTS FOR ADMISSION

Applicants for admission to first year standing in the School of Political and Social Science should be at least sixteen years of age, and must present satisfactory evidence of having completed the preparatory studies specified below. An examination is required of all students who do not present acceptable certificates.*

For admission to first year standing thirty preparatory credits† are required. No student will be admitted whose deficiencies exceed the amount represented by three credits, except as provided in the following paragraph. Candidates having deficiencies not exceeding this limit may be admitted upon condition that they complete their preparatory work within the first year after admission. Students who are admitted with conditions can make them up in the University, in the accredited preparatory schools of the city, or under the direction of tutors approved by the faculty.

Applicants for admission who present thirty credits in acceptable preparatory subjects but who are deficient in required preparatory work may be admitted as unclassified students. When all requirements for first year standing have been met, such unclassified students will be transferred to the list of regular candidates for a degree.

Of the thirty preparatory credits required for admission, *seventeen are specific requirements, and thirteen, elective.*

SPECIFIC AND ELECTIVE REQUIREMENTS FOR ADMISSION

| | |
|--------------------------------------------------|------------|
| One foreign language (See notes)..... | 4 credits |
| English, | 6 credits |
| History (may include civics and economics),..... | 2 credits |
| Algebra, | 3 credits |
| Plane geometry, | 2 credits |
| | 17 |
| Electives, | 13 credits |

*Details as to examinations required, times when they are held, etc., can be ascertained from the Director or from the University examiner.

†In estimating the amount of work required for admission, a *preparatory credit* is regarded as the equivalent of one study daily for a semester of eighteen weeks on the basis of four studies a day; thus eight credits stand for a normal year's work.

NOTES

1. Students who offer only two years of foreign language for entrance will have their electives limited inasmuch as they will be required to carry at least twenty semester hours of foreign language before graduation, of which sixteen hours must be in one foreign language.

2. Students who present no preparatory credits in foreign language will be registered as unclassified students until they have satisfactorily completed, without University credit, the amount of work laid down in this announcement as constituting two years of preparatory work in some one foreign language. Facilities will be provided for doing this work in the University, in the accredited schools of Iowa City, or under tutors approved by the University.

ELECTIVES

The electives presented for admission may consist of additional work in foreign languages to complete the entire thirty credits, or of additional work of approved character in English, history, solid geometry, or of science as outlined under *SUBJECTS REQUIRED OR ACCEPTED FOR ADMISSION, GROUP V. Candidates are advised to present additional work in a foreign language, English, history, or solid geometry rather than to present the maximum of six semesters' work in science. When additional work in Latin or modern languages is presented as an elective, it is provided that not less than two years be given to some one language, and not less than one year to each additional language that may be offered.

ADVANCED STANDING

Students from approved colleges bringing proper certificates of work and standing will be admitted without examination. In determining their position in the University, however, the value of the work done will be measured by the University standards.

*This outline is given in detail in the Announcement of the College of Liberal Arts, a copy of which will be sent upon application to the Director.

Students coming from colleges whose requirements for admission are substantially those of the University will be admitted ordinarily to equal rank, *provided they enter not later than the beginning of the senior year*. The assignment of studies will be at the discretion of the faculty.

Graduates from the four years' course of the Iowa State Normal School will be given advanced standing of sixty semester hours without examination and will be required to spend two years at the University before receiving a degree.

The requirement that all applicants for admission to the University must bring certificates showing that they have completed two years' work in some one foreign language, applies also to applicants for advanced standing.

BACCALAUREATE DEGREES

For each of the courses of study leading to a bachelor's degree four years' work is required.

On completion of the regular courses, or of the special courses approved by the faculty, the degree of Bachelor of Arts will be conferred.

ADVANCED DEGREES

The departments of history, political science, political economy, and sociology, constituting the School of Political and Social Science, offer graduate work leading to the degree of Master of Arts and to the degree of Doctor of Philosophy. A complete statement of the requirements for these degrees is given in the Announcement of the Graduate College, a copy of which will be sent upon application to the Director.

TUITION

The following schedule of fees became operative with the first semester of the academic year 1904-5.

MATRICULATION—Every student, upon entering any department of the University (except students in the School of Music and students of the Summer Session who are not candi-

dates for a degree), is required to pay a matriculation fee of \$10.00. This fee is paid but once.

TUITION—The tuition fee in the School of Political and Social Science is \$10.00 a semester, payable in advance. The tuition fee for a student taking six hours or less of work each week is \$5.00 a semester. Tuition fees will not be refunded.

A student registered in more than one college of the University is required to pay the tuition of the college having the higher rate only.

OTHER CHARGES—For each special examination given at a time other than those regularly scheduled by the faculty, a fee of \$1.00 is charged; for several examinations given at one time the fee is \$2.00.

The charge for rental of a locker in the gymnasium (if desired) is fifty cents a semester; twenty-five cents is paid as a deposit for the locker key.

A fee of twenty-five cents a day is charged all but new students for delay in registering beyond the limit officially announced.

COMPARATIVE STATEMENT OF STUDENT'S EXPENSES FOR THE ACADEMIC YEAR, SEPTEMBER TO JUNE

| | LOW | AVERAGE | LIBERAL |
|-------------------------------------------|-----------|-----------|-----------|
| Matriculation Fee (first year only) | \$ 10.00 | \$ 10.00 | \$ 10.00 |
| Tuition Fee | 20.00 | 20.00 | 20.00 |
| Board (36 weeks) | 90.00 | 108.00 | 126.00 |
| Room, heated and lighted (one-half) | 36.00 | 45.00 | 54.00 |
| Total | \$ 156.00 | \$ 183.00 | \$ 210.00 |

The above estimates do not include such incidentals as books, clothing, laundry, or membership in societies. Some of these are luxuries, and all of them vary greatly with the means and habits of the individual.

The strong and capable student can reduce his expense below the lowest estimate presented in this table, which may

be regarded as a fair one for a student of ordinary constitution and power of self-command.

SELF SUPPORT

Many students earn the whole or a part of their expenses at the University by waiting on tables at eating houses, caring for furnaces, and by similar services. The Y. M. C. A. and Y. W. C. A. conduct a free labor bureau, which is at the service of students. Iowa City is a town of 9,000 inhabitants, whose citizens are friendly to the University and take pleasure in affording to deserving students the opportunity to earn their necessary expenses. It rarely happens that the student who needs it fails to secure steady employment of some kind.

Tuition fees may be remitted for worthy students of pecuniary need. A series of scholarships, known as the A. Whitney Carr Free Scholarships from the name of their founder, are also available. The value of each scholarship is at least \$20 for each of the four years of the college course. Particulars may be had upon application.

HONOR SCHOLARSHIPS

Every accredited preparatory school in the state is entitled each year to one honor scholarship in the College of Liberal Arts or in the College of Applied Science, the incumbent of such scholarships being selected by the authorities of the schools on a basis of high standing. The holders of honor scholarships are exempt from payment of tuition during the four consecutive years of their college course.

Further information in regard to the conditions and regulations governing selection of candidates will be sent upon application.

PRIZES

MAYER PRIZE—Mr. Max Mayer of Iowa City has established a prize of the annual value of \$25 for excellence in scholarship and athletics. This prize is open to students of all colleges of the University.

LOWDEN PRIZE IN DEBATE—Frank O. Lowden, Esq., of the class of 1885, offers an annual prize of fifty dollars for excellence in debate.

Mr. Lowden has given \$3,000 as an endowment to the Northern Oratorical League. As this University is a member of the league, students are invited to compete and share in the benefits of this endowment.

BRYAN PRIZE—Mr. William Jennings Bryan has established an annual prize of the value of \$10 for the best essay on a subject pertaining to the science of government. The prize is open to any student in the University.

HAMILTON CLUB PRIZE—The Hamilton Club of Chicago offers two prizes of the value of \$100 and \$50 each to the students who win first and second places respectively in the annual Hamilton Club oratorical contest.

THE JOHN BARRETT PRIZES—The Honorable John Barrett, the United States Minister to Colombia, offers prizes of \$100, \$75.00, \$50.00, to be awarded to the authors of the best papers on certain political, economic and historical subjects. Undergraduate, professional and graduate students are alike eligible. A list of the subjects and full information concerning the conditions of the award may be had from the President's office.

COURSES OF STUDY

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS

Freshman Year

Each Semester

| | | |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| English, | | 2 hours |
| French, 5; German, 5; Greek, 5; Latin, 5 or 4, | | 5 or 4 hours |
| Elective | <div style="display: inline-block; vertical-align: middle;"> $\left\{ \begin{array}{l} \text{Mathematics (see note 2), 5 or 4} \\ \text{History; government and eco-} \\ \quad \text{nomics,—(one only), 4} \\ \text{Animal biology; botany; chem-} \\ \quad \text{istry; zoology,—(one only), 4} \\ \text{Additional foreign language} \\ \quad \text{(see note 3), 4 or 5} \\ \text{Public speaking, 1} \end{array} \right.$ </div> | 8 to 10 hours |
| | | 14 to 16 hours |
| Military drill or physical training (see note 5), | | 2 |

Sophomore Year

Each Semester

| | | |
|----------------------------------------------------------------------|--|----------------|
| English, | | 3 hours |
| Elective, not more than six hours in one department (see note 4), | | 11 to 13 hours |
| | | 14 to 16 hours |
| Military drill or physical training (see note 5), | | 2 |

Junior and Senior Years

REQUIRED: a major study in some one department, extending through the two years, and equivalent to at least four

hours during each of the four semesters; with the approval of the department in charge of the major, the required study may be extended into an allied department (see note 4); 14 to 16 hours are to be elected.

NOTES

1. For the degree, credits to the number of 124 semester-hours are required, or 120 semester-hours exclusive of credits gained for military drill or physical training.

2. Mathematics is prerequisite to the regular work of physics, and to the advanced work of chemistry and commerce; if it be the purpose later to enter upon any of these studies, mathematics should be elected in the first year.

3. Only one language may be begun in the freshman year.

4. In the entire course, work to the extent of twelve semester-hours must be completed in each of the two groups in which the major study does not fall. For the purposes of this requirement, the several departments of instruction are grouped as follows:

| GROUP I | GROUP II | GROUP III |
|-----------------|----------------------|----------------|
| English | Classical archæology | Animal biology |
| French | Education | Astronomy |
| German | Fine Arts | Botany |
| Greek | History | Chemistry |
| Italian | Philosophy | Geology |
| Latin | Political Economy | Mathematics |
| Public speaking | Political science | Physics |
| Sanskrit | Psychology | Zoology |
| Scandinavian | Sociology | |
| Spanish | | |

5. Instruction in military science and tactics, both theoretical and practical, is required of all male students of the freshman and sophomore classes, and of all unclassified male students during their first and second years, unless such students are specially excused. If such students are excused they are required to register for physical training during the period for which the excuse is granted.

The University requires a physical examination of every

student on entrance, without cost to the student. Each student will then be assigned to such physical training as the report of the examination warrants. For the women two years of physical training is required.

SYNOPSIS OF COURSES

GENERAL COURSE IN SOCIAL SCIENCE

First Year

The requirements are as laid down for the first year in the REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS as stated above.

Second Year

English, 3 hours; elective, 6 to 9 hours in economics, politics, and history; and from 3 to 7 hours in psychology, language, or science. At least four hours of mathematics or science must be elected in this or a subsequent year in addition to the eight hours of mathematics or science taken in the freshman year to fulfill the requirements for the degree of Bachelor of Arts.

Third and Fourth Years

A large part or all of the work of these years may be taken in history, political science, political economy, and sociology. Students should advise with heads of departments or with the Director of the School of Political and Social Science concerning the order and grouping of their electives. Each student will be held responsible for making his elections in accordance with the requirements for the degree of Bachelor of Arts as stated above.

COURSE IN COMMERCE

First Year

| First Semester | Second Semester | hours |
|------------------------------------------|-----------------|--------|
| English, | | 2 |
| Foreign language, | | 4 or 5 |
| Mathematics, | | 5 or 4 |
| Actual government and Industrial history | | 4 |

Second Year

| | | |
|-----------------------------------------------------|-----------------------------|--------|
| English, | | 3 |
| Principles of economics | Industrial History or Prin- | |
| or Industrial history, | 3 ciples of economics, | 3 |
| Commercial geography and raw materials of commerce, | | 2 |
| Chemistry, | | 4 |
| Foreign language, history, or science, | | 3 or 4 |

Third Year

| | | | |
|--------------------------------|---|-------------------|--------|
| Money and banking, | 3 | Public finance, | 3 |
| Corp. finance and acc't'g, | 3 | Transportation, | 3 |
| Statistics, | 2 | Statistics, | 2 |
| Labor problem, | 2 | Monopoly problem, | 2 |
| Language, history, or science, | | | 4 to 6 |

Fourth Year

| | | | |
|----------------------|--------|----------------------------|--------|
| Commercial policies, | 3 | Commercial relations, | 3 |
| Contracts, | 3 | Agency, | 2 |
| Bills and notes, | 2 | Partnership, | 2 |
| Taxation, | 2 | Insurance, | 2 |
| Elective, | 4 or 5 | Comparative state legisla- | |
| | | tion, | 3 |
| | | Elective, | 2 or 3 |

SUGGESTED COURSE IN PREPARATION FOR THE STUDY OF LAW

First Year

| First Semester | Second Semester |
|-------------------|-----------------|
| English, | 2 |
| Foreign language, | 4 or 5 |

Greek and Roman history or Actual government and
industrial history, 4

Mathematics or science, 4 or 5

Second Year

English, 3

Mathematics or science, 2 to 4

English history, political science, political economy,
psychology, literature, additional language, or
science, 9 to 11

14 to 16

Third Year

Logic and ethics, 2

Psychology, if not elected in the second year, 3

History, economics, politics, sociology, literature, lan-
guage, science, 12 to 14

14 to 16

Fourth Year

Work in the College of Law as provided for in the com-
bined Liberal Arts and Law Course.

COMBINED COURSE OF SIX YEARS LEADING TO THE DEGREE OF B. A. .
IN THE COLLEGE OF LIBERAL ARTS AND TO THE DE-
GREE OF LL. B. IN THE COLLEGE OF LAW

Students of the College of Liberal Arts who have fully completed their junior year, and who have satisfied the specific requirements for the degree of Bachelor of Arts, except as here specified, may be enrolled in the College of Law and receive credit for one year's time of law-study while completing their senior year in the College of Liberal Arts, by complying with the following conditions: they must register for ten hours a week in the College of Law in the subjects of the first year, given throughout the year at eight and nine o'clock, and practice court by appointment; and for five hours in the College of Liberal Arts selected from the group of subjects embracing political and social science, including political and institutional history. This privilege is not extended to

undergraduates of other colleges who enter the College of Liberal Arts of this University with the rank of senior.

SUGGESTED COURSES WITH MAJOR SUBJECTS

Three typical courses based on the group principle of election and centering about a major subject, are outlined below. Modifications may be made as desired, in order to adapt them to the needs of the individual student, or similar courses may be formed. Extreme specialization is not recommended and for his guidance the special student should always consult the general course of study given above. The attention of those contemplating preparation for certain forms of the public service (for example, the consular service), is called to the importance of an adequate knowledge of modern languages. The University at present offers: German, French, Spanish, Italian, and Scandinavian. In preparation for work in statistics the election of one or more courses in the mathematics of the freshman and sophomore years should not be omitted. In preparation for modern history the freshman option in history, and additional history in the sophomore year may be taken. And for a course in practical philanthropy, psychology may be taken as an elective during the sophomore year. The student who wishes to specialize in the School of Political and Social Science, should in each semester of his sophomore year elect at least two of the courses open to him in history, politics, and economics.

These courses are designed for juniors and seniors who wish to specialize in the several lines indicated and for graduate students.

A. SUGGESTED COURSE WITH MAJOR IN POLITICAL SCIENCE

First Year

| First Semester | Second Semester | hours | |
|-----------------------|-----------------|-----------------------------|---|
| Political parties, | 3 | Contemp. state legislation, | 3 |
| Municipal government, | 2 | Colonial government, | 2 |
| Minor recommended: | | | |
| Money and banking, | 3 | Public finance, | 3 |

| | | | |
|----------------------|---|-------------|--------|
| Statistics, | 2 | Statistics, | 2 |
| or American history, | | | 3 |
| Elective, | | | 5 to 7 |

Second Year

| | | | |
|-----------------------------------------|---|---------------------|--------|
| Jurisprudence, | 3 | Constitutional law, | 3 |
| Administrative law, | 2 | Administrative law, | 2 |
| Minor recommended: | | | |
| International law and political theory, | | | 4 |
| Elective, | | | 5 to 7 |

B. SUGGESTED COURSE WITH MAJOR IN HISTORY

First Year

First Semester

Second Semester

| | | | |
|-------------------------|---|--------------------------|--------|
| English history, | 3 | English history, | 3 |
| The renaissance and the | | Historical research and | |
| reformation, | 2 | criticism, | 2 |
| Minor recommended: | | | |
| Political parties, | 3 | Comp. state legislation, | 3 |
| Municipal government, | 2 | Colonial government, | 2 |
| or Economics, | | | 3 to 5 |
| Elective, | | | 5 to 7 |

Second Year

| | | | |
|--------------------------------------------|---|--------------------------|--------|
| American history, | 3 | American history, | 3 |
| Modern European history, | 2 | Modern European history, | 2 |
| Minor recommended: | | | |
| Political science, economics, or sociology | | | 5 or 6 |
| Elective, | | | 6 or 5 |

C. SUGGESTED COURSE WITH MAJOR IN PRACTICAL SOCIOLOGY

First Year

| | | | |
|----------------------|---|----------------------|---|
| Social amelioration, | 3 | Crime and Charities, | 3 |
|----------------------|---|----------------------|---|

| | |
|------------------------------|----|
| POLITICAL AND SOCIAL SCIENCE | 35 |
|------------------------------|----|

| | | | |
|--------------------|---|------------|--------|
| Anthropology, | 2 | Ethnology, | 2 |
| Minor recommended: | | | |
| Psychology, | | | 3 |
| Logic and ethics, | | | 2 |
| Elective, | | | 5 or 6 |

Second Year

| | | | |
|---------------------------------------------|--|--|--------|
| Social philosophy and systematic sociology, | | | 3 |
| General economics and social legislation, | | | 3 |
| Minor recommended: | | | |
| Education 3, and Statistics | | | 2 |
| Elective, | | | 4 or 5 |

COURSES OF INSTRUCTION

HISTORY

PROFESSOR WILCOX; PROFESSOR PLUM, ASSISTANT PROFESSOR
PEIRCE

A. COURSES FOR UNDERGRADUATES

*1. HISTORY OF GREECE. 4 hrs.

Text-books, lectures, and assignments. A general course in Greek history, intended for first-year students. Special attention is paid to training in methods of historical study. After the holiday recess, the history of Rome will be taken up as preliminary to course 2. Professor PLUM; Assistant Professor PEIRCE.

2. HISTORY OF ROME. 4 hrs.

Text-book, lectures, and assignments. An outline of political and constitutional history down to the crowning of Charles the Great; a study of the growth and organization of the republic, the development and decline of the Roman empire, and its transformation into the empire of the Germans. A continuation of course 1. Professor PLUM; Assistant Professor PEIRCE.

3 (4). MEDIAEVAL AND MODERN EUROPE. 2 hrs.

This course is the sequel of courses 1 and 2 and is designed to complete the general survey of the European field down to 1789. The course will be based

**Courses with odd numbers are given in the first semester, those with even numbers in the second semester. Courses with double numbers,—e. g., 19 (20)—run throughout the entire year. The number of periods each week is indicated at the right of the course.*

upon a text which will be supplemented by lectures and special assignments. During the first semester the work will be mainly the study of Mediæval institutions and their relation to the formation of the different states. During the second semester the work will center about the formation of the modern states and the successive great struggles growing out of their development.

The course is primarily designed for second year students but is open to all except first year students. Professor PLUM.

5. THE HISTORY OF EARLY AND MEDIAEVAL ENGLAND. 3 hrs.

This course consists of topical analyses, special assignments, and lectures. It is an outline study of English history from the beginning of English national life to the close of the War of the Roses. The central theme is the development of English political institutions. The social, economic, literary, and religious life of the people is studied in its relation to the political development of England. Professor PLUM.

6. ENGLAND UNDER THE TUDORS AND STUARTS. 3 hrs.

Topical analyses and lectures. This course covers the history of England from the end of the fifteenth century to the opening of the eighteenth. Special attention is given to the outworking of those complex forces of national life which have made England the foremost body politic in the modern states-system of Europe. Professor PLUM.

B. COURSES FOR UNDERGRADUATES AND GRADUATES

7. RENAISSANCE AND PROTESTANT REVOLUTION. 2 hrs.

This course includes a summary of the Renaissance movement and an analysis of the factors of the Protestant Revolution. Course 4 is recommended as a preliminary to this course. Professor PLUM.

8. FREDERICK THE GREAT AND THE MAKING OF MODERN GERMANY. 2 hrs.

The history of Prussia will be followed from 1740 to 1870 as the center about which will be grouped the principal facts in the organization of the German Empire. Professor PLUM.

9. THE HISTORY OF THE UNITED STATES.

3 hrs.

This course is a series of lectures to advanced students. The lectures aim to present the various steps which led to the establishment of the Constitution of the United States in 1789. The struggle between the states of Europe for domination in America, the reasons for the English victory, the growth of the movement for independence and the working out of the problem of union, constitute the subject matter under consideration. Professor WILCOX.

10. THE HISTORY OF THE UNITED STATES.

Consists of lectures on the development of national political life under the Constitution from its establishment in 1789 to the compromise of 1850. Professor WILCOX.

11. SECESSION AND RECONSTRUCTION.

2 hrs.

The twenty years of United States history from the great compromise of 1850 to the close of the period of reconstruction in 1870. The course is intended for advanced students. This is a course in continuation of courses 9 and 10. Professor WILCOX.

12. ENGLAND UNDER THE HOUSE OF HANOVER.

2 hrs.

This is a lecture course covering the last two centuries of English history. The course is open to those students who have already had courses 5 and 6 or their equivalents. Professor WILCOX.

13. THE NAPOLEONIC ERA IN EUROPE.

2 hrs.

From 1799, when the Directory was overthrown, to 1815, when Napoleon met his final defeat at Waterloo, the history of Europe is centered in France, and France is centered in Napoleon. The attempt is made to discuss the salient features of this period in a course of lectures to advanced students. It is not merely a chapter in the history of France but a survey of general European development during the fifteen years of Napoleon's power. Professor WILCOX.

14. EUROPE IN THE NINETEENTH CENTURY.

2 hrs.

This is an outline study, presented in the form of lectures, of the political history of Europe from the congress of Vienna in 1815 to the final steps in the consolidation of Italy

and Germany, at the close of the Franco-Prussian war. This course is intended as a sequel to course 13. Professor WILCOX.

C. COURSES OPEN TO GRADUATES ONLY

15 (16). SEMINARY IN UNITED STATES HISTORY. 2 hrs.

This work is intended for those graduate students who wish to emphasize American history. The work consists of special individual research on selected topics in American history. The aim is to acquire a more intimate acquaintance with the body of knowledge comprised in American history, to develop methods of independent research, and to become thoroughly acquainted with library sources. The results of the investigation are presented in reports to the seminary. Professor WILCOX.

POLITICAL ECONOMY AND SOCIOLOGY

PROFESSOR LOOS; ASSISTANT PROFESSOR PEIRCE, DR. HANEY,
MR. WASSAM

Students who look forward to special courses of study in the School of Political and Social Science are advised to elect *Industrial History* or *Introduction to Economics* (1 and 2 or 4 and 3) in their sophomore year. Freshmen may elect *Actual American Government* (POLITICAL SCIENCE 3), followed by *Industrial History* 4; those who choose this option may take in their sophomore year *Introduction to Economics* 3.

Courses 1, 2, which are primarily for sophomores, or 5, 6, which are open to juniors and more advanced students, constitute the general introductory course for all courses in this department, courses 4, 3 being the same as 1, 2. Certain other courses, 7 to 14, 19 (20), 23 (24), 33 (34), may be taken at the same time with courses 1, 2 or 5, 6, but not independently as initial courses in economics. For the courses 17 (18) and 25 (26) in sociology, open only to juniors, seniors, and graduates, no specific previous course is required; the general introductory course in economics is, however, recommended as a preparation for these courses. On programs any of the courses of this department may be cited as economics followed by the appropriate number; or 15 to 26 as sociology.

A. COURSES FOR UNDERGRADUATES

1. INDUSTRIAL HISTORY. 3 hrs.

After an introductory study of primitive man and primitive civilization the course will occupy itself mainly with the development of commerce and industry in England. Dr. HANEY; Mr. WASSAM.

Monday, Wednesday, and Friday, at 8:00 and 11:00.

2. INTRODUCTION TO ECONOMICS. 3 hrs.

An introduction to the leading principles of economic science. Primarily for sophomores; open also to more advanced students. Mr. WASSAM.

2b. ECONOMICS. 5 hrs.

A special course in general economics prescribed for seniors in mechanical, civil and electrical engineering for 1907-8. Mr. WASSAM.

Fourth quarter, daily, at 8:00.

3. INTRODUCTION TO ECONOMICS. 3 hrs.

Same as course 2. Dr. HANEY; Mr. WASSAM.

Monday, Wednesday, and Friday, at 9:00 and 10:00.

3a. ECONOMICS. 5 hrs.

A special course in general economics prescribed for juniors in mechanical, civil and electrical engineering, beginning in 1907-8. Dr. HANEY.

First quarter; daily, at 8:00.

4. INDUSTRIAL HISTORY. 4 hrs.

Same as course 1. Given in conjunction with *Actual American Government* (POLITICAL SCIENCE 3), as a freshman elective. Followed by 3 or 5 it constitutes a general introductory course in economics, the same as 1 and 2. Mr. WASSAM; Mr. ———.

Monday, Wednesday, and Friday, at 9:00 and 11:00; a fourth hour by appointment.

B. COURSES FOR UNDERGRADUATES AND GRADUATES

5. PRINCIPLES OF ECONOMICS. 3 hrs.

Fundamental economic concepts; the organization of in-

dustry; the distribution of wealth; the relation of the state to industrial action. Designed as a general survey of economic science for advanced students; open to third and fourth year students, to graduates, and professional students with or without a previous course in economics. Professor LOOS.

Monday, Wednesday, and Friday, at 9:00.

6. SOCIALISM AND SOCIAL LEGISLATION. 3 hrs.

A study of socialism and contemporary social legislation, preceded by an historical introduction—a critical analysis of the industrial revolution in its economic and social aspects. Designed to follow course 5, 1, 2 or 3, 4. Professor LOOS.

Monday, Wednesday, and Friday, at 9:00.

7. CURRENCY AND BANKING. 3 hrs.

Money and credit instruments with outlines of the monetary history of the United States; the principles of banking and credit financing. Professor LOOS.

Monday, Wednesday, and Friday, at 11:00.

8. PUBLIC FINANCE. 3 hrs.

The science of public finance; the theory of public expenditure; public income and public debts; the preparation of the budget and financial administration. Professor LOOS.

Monday, Wednesday, and Friday, at 11:00.

9 (10). COMMERCIAL GEOGRAPHY AND THE RAW MATERIALS OF COMMERCE. 2 hrs.

Prescribed for sophomores in the commerce course. Federal reports will be freely used, and the various year books and trade journals consulted. Mr. WASSAM.

Tuesday and Thursday, at 9:00 and 11:00.

11. TRANSPORTATION. 3 hrs.

Practically the entire course is given to the economics of railway transportation. The aim is so to familiarize the students with the elements of transportation that he may approach its problems intelligently. To this end much attention is given to discussions of the theory of rates; first giving such historical and technical data as are most necessary to an understanding of rate-making. Recitations, lectures, and papers. Dr. HANEY.

Monday, Wednesday, and Friday, at 2:30.

12. CORPORATION FINANCE AND BUSINESS ORGANIZATION.

3 hrs.

A study of the development of business organization from partnership to holding company, followed by a treatment of the various stages in the life history of a modern industrial corporation—promotion, underwriting, marketing, organization, accounting, reorganization, and receivership. The different kinds of stocks and bonds are studied; and in connection with marketing the corporation's securities, the New York stock exchange is discussed. Finally, certain remedies for the evils of corporation finance are taken up critically. Lectures, readings, and reports. Dr. HANEY.

Monday, Wednesday, and Friday, at 2:30.

14. TRANSPORTATION.

3 hrs.

Same as course 11. Dr. HANEY.

Monday, Wednesday, and Friday, at 10:00.

15. THEORY AND TECHNIQUE OF STATISTICS.

2 hrs.

A study of the population of the United States will be used to illustrate the statistical methods of investigation. Mr. WASSAM.

Tuesday and Thursday, at 2:30.

16. PROBLEMS IN STATISTICS.

2 hrs.

Laboratory course. The preparation of schedules, methods of tabulation, tabular and diagrammatic presentation of facts; the use of averages, index numbers, the median, the coefficient of error and other statistical devices. Mr. WASSAM.

Tuesday and Thursday, at 2:30.

17. SOCIAL AMELIORATION.

2 (3) hrs.

State agencies for the care of delinquents and defectives, population elements; growth of municipal enterprises—public utilities and educational agencies; growth of philanthropic spirit—voluntary agencies for aid of needy classes. Assistant Professor PEIRCE.

Tuesday and Thursday, at 10:00, and third hour optional.

18. CRIME AND CHARITIES.

2 (3) hrs.

Criminology and penology; pauperism and methods of

relief; philanthropic financiering; social settlements. Prerequisite, 17 or 21. Assistant Professor PEIRCE.

Tuesday and Thursday, at 10:00, and third hour optional.

19. THE LABOR PROBLEM.

2 hrs.

The labor problem in relation to modern industry; the rise and growth of labor organizations; the development of collective bargaining; industrial arbitration and conciliation; the principle of state interference in industry. Assistant Professor PEIRCE.

Tuesday and Thursday, at 8:00.

20. THE MONOPOLY PROBLEM.

2 hrs.

A study of the social and economic significance of monopoly as a factor in the distribution of wealth, together with a critical examination of the various proposals for the regulation and control of present day industrial combinations. Dr. HANEY.

Tuesday and Thursday, at 8:00.

21 (22). SOCIAL ANTHROPOLOGY AND ETHNOLOGY.

2 hrs.

The primary ethnical groups; man and his works in prehistoric times; primitive methods of social control. Culture stages and descriptions of the institutions of the less advanced contemporary races. Dr. HANEY.

NOTE. The attention of students in sociology is called to the courses in archæology. See announcement under CLASSICAL ARCHAEOLOGY.

23 (24). SOCIAL ECONOMICS.

2 hrs.

Selected topics in economics and sociology. Conducted as a seminary. Mr. WASSAM.

The work of each semester may be taken separately.

25. SOCIAL AND POLITICAL PHILOSOPHY.

2 (3) hrs.

The class will read Plato's *Republic and Laws*, Aristotle's *Politics*, Machiavelli's *Prince*, and selections from Hobbes, Montesquieu, Blackstone, and Locke; Spencer's *Man vs. the State*, Huxley's *Administrative Nihilism*, Ritchie's *Principles of State Interference*, and selections from other modern philosophers. Professor LOOS.

Tuesday and Thursday, at 11:00, and third hour optional.

26. SYSTEMATIC SOCIOLOGY. 2 (3) hrs.

The relation of sociology to the other social sciences; the physical and psychical aspects of association, social forces; social genesis; social values and social welfare. Professor LOOS.

Tuesday and Thursday, at 11:00, and third hour optional.

29. COMMERCIAL POLICIES. 3 hrs.

Beginning with a brief review of the historical commercial systems and the free-trade movement in England, the course will occupy itself mainly with the tariff history of the United States. Assistant Professor PEIRCE.

Monday, Wednesday, and Friday, at 8:00.

30. COMMERCIAL RELATIONS. 3 hrs.

Reciprocity and commercial treaties; the volume and course of foreign trade; existing bounties, tariffs and subsidies; the consular service. Assistant Professor PEIRCE.

Mondays, Wednesdays, and Fridays, at 8:00.

31. TAXATION. 2 hrs.

An intensive study of the principles, methods and systems of taxation with special reference to the incidence and effects of the several taxes. Course 8 must precede this course. Dr. HANEY.

32. INSURANCE. 2 hrs.

The theory, history and organization of insurance. Mr. WASSAM.

33 (34). INDUSTRIAL HISTORY OF THE UNITED STATES. 2 hrs.

A study of the economic forces at work in the building of the nation. Lectures on topography and natural resources, together with population elements, form the groundwork of an account of the development of our industries and commerce. Dr. HANEY.

Tuesdays and Thursdays, at 9:00.

35 (36). MUNICIPAL FINANCE. 2 hrs.

Studies in municipal finance, the problem of the public service, sanitation, finance statistics, and uniform municipal accounting. Admission to the course by special permission of the department. Professor LOOS; Mr. WASSAM.

37 (38). COMMERCIAL LAW.

Students during their senior year may schedule in the College of Law for contracts, bills, and notes, and similar courses, under the advice of this department, but in no case for more than five hours in one semester. Students so scheduling must pay tuition in the College of Law.

C. COURSES PRIMARILY FOR GRADUATES

39 (40). ADVANCED ECONOMIC THEORY. 2 hrs.

The rise and development of the classical school of economists will first be considered. This will be followed by a study of the recent development of political economy. The class will read (1) portions of Adam Smith's *Wealth of Nations*, Malthus's *Essays on Population*, Ricardo's *Political Economy*, and Cairnes's *Leading Principles*; and (2) selections from the writings of the Austrians and from Marshall, Clark, and other modern economists. Professor LOOS; Dr. HANEY.

47 (48). GRADUATE SEMINARY. 2 hrs.

The subject for 1907-8 will be socialism and social legislation. Professor LOOS.

POLITICAL SCIENCE

PROFESSOR SHAMBAUGH; ASSISTANT PROFESSOR HORACK

Freshmen are advised to schedule for course 3, which is announced under the title of "Actual American Government." Students who desire to elect but one year's work in this department are advised to schedule for courses 1 and 2. Those who expect to pursue a more extended line of study in political and social science are advised to schedule for these courses in their second or sophomore year.

Courses 7, 8, and 11 constitute a liberal introduction to the study of law, and are arranged for students who expect to take a law course.

A. COURSES FOR UNDERGRADUATES

1. AN INTRODUCTION TO POLITICAL SCIENCE. 3 hrs.

In the study of political and social science this course is

fundamental, being a general introduction to the phenomena of organized society among men. The scope of the lectures may be briefly indicated as follows: the early history of mankind, wherein evolution and the fundamental laws of human progress will be explained and their application to the development of social and political institutions clearly indicated; a general consideration of anthropology with reference to its bearings upon the study of the political and social institutions of the Indo-European peoples; the origin of government historically considered; the political institutions of the ancient Greeks, and a consideration of their political ideas and ideals; the political institutions of the Romans, and a consideration of their contributions to public law and jurisprudence; primitive Germanic institutions, especially the markgenossenschaft; and mediæval politics—feudalism and the Church and State. Open to all students except freshmen. Professor SHAMBAUGH.

Monday, Wednesday, and Friday, at 8:00.

2. MODERN GOVERNMENTS. 3 hrs.

Lectures on the governments of France, Germany, Prussia, Switzerland, Belgium, Australia, and England. Open to all students except freshmen. Professor SHAMBAUGH.

Monday, Wednesday, and Friday, at 8:00.

3. ACTUAL AMERICAN GOVERNMENT. 4 hrs.

This course, being designed especially for freshmen, aims to take up the subject of government in the United States where the courses in civics in the high schools leave off. Herein American Government will be treated not only as to form and organization, but especially from the viewpoint of (1) fundamental principles, (2) the actual workings and operations of local, state, and national administration, and (3) the relation of the citizen to public affairs. Open to freshmen. Assistant Professor HORACK.

Monday, Tuesday, Wednesday, and Thursday, at 9:00 and 11:00.

4. COMPARATIVE STATE LEGISLATION. 3 hrs.

A study of present problems. Herein particular attention will be given to the growth of trusts and corporations

showing the diversity of provisions for their organization and control, as well as the causes tending toward greater uniformity of law embodied in federal legislation. State and federal statutes and decisions will be studied and compared. The course will be non-technical. Open to juniors and seniors. Assistant Professor HORACK.

Monday, Wednesday, and Friday, at 11:00.

5. POLITICAL PARTIES. 3 hrs.

This course will be divided into two parts; part one will be devoted to the study of the history of political parties since the adoption of the constitution and will include a consideration of the issues upon which parties are founded. The second part will be devoted to the study of the political machinery of parties—caucuses, nominating conventions, committees, etc.—and to an examination of campaign literature—including platforms, political circulars, speeches, cartoons, etc. Open to juniors and seniors. Assistant Professor HORACK.

Monday, Wednesday, and Friday, at 9:00.

6. MUNICIPAL GOVERNMENT. 2 hrs.

A study of the organization and administration of city governments. The problems of modern city life. The sphere and functions of municipal governments. Their relation to quasi-public works. Open to juniors and seniors. Assistant Professor HORACK.

Tuesday and Thursday, at 9:00.

7. JURISPRUDENCE. 3 hrs.

A study of nature, definition, classification, and divisions of law. This course will include lectures on the history and fundamental principles of the civil law of Rome and the common law of England. The discussions will be largely non-technical. Recommended in the combined college of liberal arts and law course. Open to juniors and seniors. Professor SHAMBAUGH.

Monday, Wednesday, and Friday, at 10:00.

8. CONSTITUTIONAL LAW. 3 hrs.

An introductory study of the nature, principles, and powers of government in the United States as reflected in written constitutions and in judicial interpretations. Leading cases

in constitutional law will be read and discussed. Recommended in the combined college of liberal arts and law course. Open to juniors and seniors. Professor SHAMBAUGH.

Monday, Wednesday, and Friday, at 10:00.

9. AMERICAN POLITICAL THEORY. 2 hrs.

A study of American political ideas and ideals, wherein leading state papers will be analyzed, and the political theories of such representative American thinkers as William Penn, Thomas Paine, Washington, Hamilton, Jefferson, John Adams, Samuel Adams, Madison, Fisher Ames, Marshall, Monroe, Webster, Calhoun, Clay, Alexander Stephens, and Lincoln will be discussed and criticised. Open to juniors and seniors. Professor SHAMBAUGH.

Tuesday and Thursday, at 11:00.

10. AMERICAN POLITICAL THEORY. 2 hrs.

This will be a continuation of course 7. Open to juniors and seniors. Professor SHAMBAUGH.

Tuesday and Thursday, at 11:00.

11. INTERNATIONAL LAW. 2 hrs.

A study of the nature, sources, and sanctions of International Law. The causes determining the development of international relations will be considered with special emphasis upon the modern application of the rules of International Law. The Law of Peace, the Law of War, and the Law of Neutrality will be presented through reference to cases, lectures, assigned readings, and reports. Recommended in the combined liberal arts and law course. Open to juniors and seniors. Assistant Professor HORACK.

Tuesday and Thursday, at 10:00.

12. POLITICAL SCIENCE CONFERENCE. 1 hr.

A weekly conference for the discussion of contemporaneous political problems, current legislation, and current political literature. Professor SHAMBAUGH; Assistant Professor HORACK.

Tuesday, 2:30 to 4:30.

13. IOWA HISTORY AND POLITICS. 2 hrs.

A course of lectures on the history and politics of Iowa. Professor SHAMBAUGH.

Tuesday and Thursday, at 1:30.

14. GOVERNMENT OF COLONIES AND DEPENDENCIES. 2 hrs.

A study of the history and principles of the various systems of colonial government and administration, with special reference to American territories and dependencies, the phenomenon of "expansion," the causes of migration, the diversity in race characteristics, and the conditions necessary for local self-government. Open to juniors and seniors. Assistant Professor HORACK.

Tuesday and Thursday, at 8:00.

C. COURSES PRIMARILY FOR GRADUATES

15. COMPARATIVE NATIONAL GOVERNMENTS. 2 hrs.

A comparison of the provisions of the constitutions of England, United States, France, Germany and Switzerland, from both a theoretical and a practical standpoint. Assistant Professor HORACK.

16. THEORIES OF SOVEREIGNTY. 2 hrs.

A general survey of political theories as to the origin, nature, and limitations of governmental authority in relation to the individual. It is the purpose of this course to show historically the development of ideas concerning the functions and powers of government. Assistant Professor HORACK.

17 (18). POLITICAL THEORY. 2 hrs.

In this course a system of pure political theory will be outlined and correlated with philosophy. Professor SHAMBAUGH.

20. ADMINISTRATIVE LAW. 2 hrs.

A comparative study of administrative law in France, Germany, England, and the United States. Professor SHAMBAUGH.

21 (22). SEMINARY IN POLITICAL SCIENCE. 2 hrs.

In 1907-1908 selected subjects will be assigned for critical study and discussion. Professor SHAMBAUGH; Assistant Professor HORACK.

ALLIED COURSES

BOTANY

27 (28). ECONOMIC BOTANY. 2 hrs.

A lecture, laboratory, and field course presenting a view of the plant world with reference to economic uses. The principles of forestry, and other economic branches related to botany, are discussed, and special plant products of use to man, such as woods, fibres, etc., are considered. This course is also supplemented by laboratory work. Professor SHIMEK.

CHEMISTRY

1 (2). INORGANIC CHEMISTRY. 4 hrs.

The course extends through the year and consists of lectures, recitations and laboratory work. The lectures are designed not only as a fundamental course for those who intend to specialize in chemistry but also to prepare those who desire to give instruction in the subject in the secondary schools. In addition they are planned to serve as a chemical foundation for anyone who wishes to devote himself to other branches of pure or applied science and whose time available for chemistry is limited; they will be illustrated by experiments. The laboratory work gives the student an opportunity to learn chemical manipulation and to study at closer range the more important elements and compounds, and the principal forms of chemical action. The lecture course may be taken in connection with 5 (6). Professor ROCKWOOD; Mr. REMINGTON.

Lectures and recitations, three hours; laboratory once a week.

53 (54). INDUSTRIAL CHEMISTRY. 3 to 6 hrs.

Laboratory Course. This course consists essentially of a series of experiments, both qualitative and quantitative, illustrating the general principles of chemical processes as applied to the preparation and purification of some of the more important inorganic technical products on a scale sufficiently large to determine with considerable accuracy the factors and conditions upon which the economy of the process depends.

Prerequisite; elementary inorganic chemistry and qualitative analysis. Mr. LONGWORTH.

First or second quarters.

CLASSICAL ARCHÆOLOGY

1 (2). GREEK LIFE.

2 hrs.

Lectures illustrated with lantern slides, photographs, books on art, casts, etc., with collateral reading (in English; references are given also to the important works in German and French for those who can use these languages). The topics treated are: the land and the people; houses, dress, and mode of life; marriage and funeral customs; markets and trade; duties of citizens in peace and war, etc. A rapid survey is given also of Athenian topography. Professor WELLER.

Omitted in 1907-1908.

3 (4). ROMAN LIFE.

2 hrs.

This course follows the same lines as 1 (2). It may well be preceded or accompanied by Latin courses 11 (12) and 22. Professor WELLER.

Tuesday and Thursday, at 11:00.

EDUCATION

1 (2) PRINCIPLES OF EDUCATION.

3 hrs.

The meaning of education considered from the standpoint of (1) psychology, (2) neurology, (3) biology, (4) anthropology, (5) sociology. Mental development as affected by heredity and environment, the education of the nervous system, mental hygiene; educational aspects of habit, association, memory, imagination, apperception, instinct, sensory training, motor training, observation, feeling, volition, suggestion and imitation. Varieties of education and varying ideals, educational means, educational values. Theories maintained by classical writers on education, such as Plato, Comenius, Pestalozzi, Froebel, and Herbart; contemporary writers as Hall, Harris, Rein, Dewey, etc. A study of such questions as the culture epochs, concentration, correlation, nascent periods,

etc. Application of the foregoing to the making of courses of study and to teaching.

Professor BOLTON, Monday, Wednesday, and Friday, at 10:00; Assistant Professor DORCAS, Monday, Wednesday, and Friday, at 9:00.

FINE ARTS

3. HISTORY OF ANCIENT ART. 3 hrs.

Architecture, sculpture, painting, and minor arts in Egypt, Assyria, Persia, Greece, and Rome. Special study is made of Greek sculpture. Lectures, with collateral reading, conferences, and reports. Assistant Professor WASHBURN.

Monday, Wednesday, and Friday, at 9:00.

4. FINE ARTS OF THE MIDDLE AGES, THE RENAISSANCE AND MODERN TIMES. 3 hrs.

The course consists chiefly of lectures on the principles and development of the fine arts from early Christian times to our own day. Special attention is given to social, political, and religious forces in their relation to the subject. Assistant Professor WASHBURN.

Monday, Wednesday, and Friday, at 9:00.

GEOLOGY

4. GENERAL AND ECONOMIC GEOLOGY. 3 hrs.

This course is planned for those who wish to know something of the fundamental principles of geology, and at the same time are particularly interested in the economic aspects of the science. The great earth forming forces are considered, particularly with reference to their bearing on engineering problems and the economic products which have resulted from their operation. The course will include a study of the common rocks and their properties; and the nature of deposits of valuable minerals. Prerequisites, general chemistry and mineralogy. Required of civil engineering students; elective for others. Professor WILDER.

Monday, Wednesday, and Friday, at 9:00.

GREEK

9 (10). THE HISTORIANS. 3 hrs.

Reading of portions of the histories of Herodotus, Thucydides, and Xenophon, with selections from the minor historians. An attempt will be made through the reading and by auxiliary lectures and readings in English to give a consistent general view of the period of history which these writers portray. Professor WELLER.

Monday, Wednesday, and Friday, at 11:00.

PHILOSOPHY AND PSYCHOLOGY

1 (2) ELEMENTARY PSYCHOLOGY. 3 hrs.

A general course designed as an outline study of the whole subject, an introduction to the special courses in psychology, and a foundation for courses in all other departments which deal primarily with the phenomena of mental life. The lectures will be illustrated with a rich collection of material for demonstration and by experiments before the class. Selections from the standard text-books will be read. Open to sophomores. Professor SEASHORE; Dr. STARCH.

3. LOGIC. 2 hrs.

The methods of induction and deduction. Exercise in the detection of fallacies and the expression of arguments. Open to sophomores. Professor STARBUCK.

4. LOGIC. 2 hrs.

Same as course 3. Professor STARBUCK.

5. ETHICS. 2 hrs.

An introduction to theories of morals and their practical application. The prominent problems of individual and social ethics. Dr. STARCH.

6. ETHICS. 2 hrs.

Same as course 5. Dr. STARCH.

7 (8). HISTORY OF PHILOSOPHY. 3 hrs.

This course will serve as a general introduction to philosophical problems as well as to the history of thought. Attention will be given to the definition of terms and explanation of the meaning of the various philosophical problems.

The first semester will be devoted to Greek philosophy, and early Christian and mediæval thought; the second semester, to modern philosophy.

This course should be taken as preliminary to all advanced courses in philosophy, and, where possible, should be preceded by the elementary courses in psychology, logic, and ethics. Professor STARBUCK.

PUBLIC SPEAKING

205 (206). PUBLIC ADDRESS. 3 hrs.

The nature and presentation of argument, based upon Baker's "Principles of Argumentation." Open to students who have completed English 1 (2). Professor GORDON.

207 (208). DEBATE. 2 hrs.

A practical debate course, based upon the study of masterpieces in argument. Open to students who have completed English 1 (2). Professor GORDON.

215. DEBATE AND ORATORY.

This course is designed to furnish individual help in connection with the study and presentation of special topics in debating and oratorical contests. Students are advised to take Economics 23 (24). Professor GORDON.

Hours to be arranged.

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